

FROH 202 (10200553)

7. (Amended) The sound diffusion system of claim 5, wherein said test circuit sends a test signal to the input of said at least one amplifier and measures the relevant signal at the output of said at least one amplifier.
8. (Amended) The sound diffusion system of claim 2, wherein said management system is a computer.
9. (Amended) The sound diffusion system of claim 8, wherein said computer allows the programming of the parameters of said at least one alarm signal.
10. (Amended) The sound diffusion system of claim 1, wherein said management system is remote and is connected to said control circuit through cable.
11. (Amended) The sound diffusion system of claim 1, wherein said management system is remote and connected to said control circuit through telephone line or optical fibre or radio link.
12. (Amended) The sound diffusion system of claim 2, wherein said management system is adapted to send to said sound diffusion system an activation command of said at least one alarm signal.

Please add the following new claim 13.

- 13. (New) The sound system of claim 6, wherein said test circuit sends a test signal to the input of said at least one amplifier and measures the relevant signal at the output of said at least one amplifier.--

REMARKS

Applicants have amended claims 1-12 and added new claim 13.

Applicants request that the foregoing amendments be entered prior to examination.

An early and favorable response is earnestly solicited.

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No fee is believed to be due, however, should a fee become due the Commissioner is hereby authorized to deduct any fee associated with this filing from Deposit Account No. 500624.

Respectfully submitted,

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FROH 202 (10200553)MARKED-UP COPY OF AMENDED CLAIMS

The claims are amended as follows:

1. (Amended) Audio signal sound diffusion system, [characterized in that it comprises] comprising:
 - [-] at least one diffuser [(35a-38a, 35b-38b)];
 - [-] at least one amplifier [(31-34)] connected to said at least one diffuser [(35a-38a, 35b-38b)];
 - [-] a generation circuit [(27)], connected to said at least one amplifier [(31-34)], for generating at least one audio signal;
 - [-] a control circuit [(10)] for controlling said sound diffusion system adapted to detect malfunctions of said diffusion system and to generate an appropriate status alarm [(14)] of said diffusion system in response thereto; and
 - [-] connection means [(17, 40)] adapted to connect said control circuit [(10)] to a management system,said control circuit [(10)] being adapted to send to said management system at least one status alarm [(14)] of said sound diffusion system, said status alarm signal indicating which of a plurality of malfunctions has occurred.
2. (Amended) [Sound] The sound diffusion system [according to] of claim 2, [characterized in that] wherein said audio signal is an alarm signal.
3. (Amended) [Sound] The sound diffusion system [according to] of claim 2, [characterized in that it comprises] further comprising a local control [(16)] for the manual activation of said at least one alarm signal.
4. (Amended) [Sound] The sound diffusion system [according to] of claim 1, [characterized in that] wherein said at least one status alarm indicates a malfunction selected from the list of: lack of mains voltage, failure of said at least one amplifier [(31-34)], failure of said at least one diffuser [(35a-38a, 35b-38b)], and a charge state of reserve batteries [(13)] for powering said diffusion system in the event of lack of mains voltage.

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5. (Amended) [Sound] The sound diffusion system [according to] of claim 1, [characterized in that] wherein said control circuit [(10)] comprises a test circuit [(27, 30)] adapted to cyclically check the correct operation of said at least one amplifier [(31-34)].
6. (Amended) [Sound] The sound diffusion system [according to] of claim 1, [characterized in that] wherein said control circuit [(10)] comprises a test circuit [(27, 30)] adapted to cyclically check the correct operation of said at least one diffuser [(35a-38a, 35b-38b)].
7. (Amended) [Sound] The sound diffusion system [according to] of claim[s] 5 [or 6], [characterized in that] wherein said test circuit [(27)] sends a test signal [(25)] to the input of said at least one amplifier [(31-34)] and measures the relevant signal at the output of said at least one amplifier [(31-34)].
8. (Amended) [Sound] The sound diffusion system [according to] of claim 2, [characterized in that] wherein said management system is a computer.
9. (Amended) [Sound] The sound diffusion system [according to] of claim 8, [characterized in that] wherein said computer allows the programming of the parameters of said at least one alarm signal [(14)].
10. (Amended) [Sound] The sound diffusion system [according to] of claim 1, [characterized in that] wherein said management system is remote and is connected to said control circuit [(10)] through cable.
11. (Amended) [Sound] The sound diffusion system [according to] of claim 1, [characterized in that] wherein said management system is remote and [it is] connected to said control circuit [(10)] through telephone line [(41)] or optical fibre [(42)] or radio link [(43)].

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12. (Amended) [Sound] The sound diffusion system [according to] of claim 2, [characterized in that] wherein said management system is adapted to send to said sound diffusion system an activation command [(15)] of said at least one alarm signal.